#### **ENVIRONMENTAL CHEMISTS**

Date of Report: 12/06/00 Date Received: 11/17/00

Project: Metro K.C. Comp., PO# M83951

Date Extracted: 11/22/00 Date Analyzed: 11/22/00

# RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID	<u>Chromium</u> <u>Copper</u> <u>Nickel</u> <u>Z</u>	inc -
Laboratory ID		
M83951	1.4	0.08
011117-01		
Method Blank	<0.05 <0.05 <0.05 <0.05	0.05

#### **ENVIRONMENTAL CHEMISTS**

Date of Report: 12/06/00 Date Received: 11/17/00

Project: Metro K.C. Comp., PO# M83951

### QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 011117-01 (Duplicate)

	Reporting	Sample	Duplicat	Relative e Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
Chromium	mg/L (ppm)	1.4	1.4	0	0-20
Copper	mg/L (ppm)	1.5	1.6	6	0-20
Nickel	mg/L (ppm)	1.6	1.6	0	0-20
Zinc	mg/L (ppm)	0.08	0.08	0	0-20

Laboratory Code: 011117-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recove	ery Acceptano Criteria	
Chromium	mg/L (ppm)	5	1.4	88	80-120	5.5
Copper	mg/L (ppm)	5	1.5	98	80-120	
Nickel	mg/L (ppm)	10	1.6	85	80-120	
Zinc	mg/L (ppm)	5	0.08	85	80-120	

Laboratory Code: Laboratory Control Sample

	Report	ing Spike	e % Recov	ery % Recov	ery Acceptanc	е	
Analyte	Unit	s Leve	l LCS	LCSD	Criteria	RPD	)
Chromium	mg/L (p	<b>pm</b> ) 5	105	105	80-120	0	
Copper	mg/L (p	pm) 5	107	106	80-120	1	
Nickel	mg/L (p	pm) 10	104	105	80-120	1	- 14
Zinc	mg/L (p	pm) 5	111	110	80-120	1	

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

011117

KT 11-17-00 AI3

# SAMPLE CHAIN OF CUSTODY

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FORMS/CHECKIN/COC

09/20/00

#### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

December 6, 2000

#### **DUPLICATE COPY**

#### **INVOICE # 00ACU1206-1**

Accounts Payable Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

RE: Project Metro K.C. Comp., PO# M83951 - Results of testing requested by Gerry Thompson for material submitted on November 17, 2000.

1 sample analyzed for Total Chromium, Copper, Nickel	
and Zinc by Method 6010 @ \$80 per sample	\$ 80.00
Amount Due	\$ 80.00

FEDERAL TAX ID (b) (6)

#### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

December 6, 2000

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 17, 2000 from your Metro K.C. Comp., PO# M83951 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kate Trafton Project Manager

Enclosures

ACU1206R.DOC